APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/545,592	04/07/2000	Richard Henry Mandel III	ST9-99-179	9939

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EPSTEIN, EDELL, SHAPIRO, FINNAN & LYTLE, LLC
1901 RESEARCH BOULEVARD
SUITE 400
ROCKVILLE, MD 20850

EXAMINER
NGUYEN, TAM V

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 08/15/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/545,592	MANDEL, RICHARD HENRY	
	Examiner	Art Unit	
	Tam V Nguyen	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>07 April 2000</u> .

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-33* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-33* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *4* .

4)☐ Interview Summary (PTO-413) Paper No(s). _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: .

DETAILED ACTION

1.   Claims 1-33 are pending in this action. Claims 1-33 are presented for

examination. This office action is in response to the filing dated 04/07/2000.

Information Disclosure Statement

2.   The references cited in the IDS, PTO-1449, Paper No. 4, have been considered.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 1-3, 6-14, 17-25, and 28-33 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Goldberg et al. (US 6430556B1) in view of Chan et al. (US 5339419).

With respect to claim 1, Goldberg discloses modifying the query to replace one or

more selected with a false clause, (col. 2, lines 36-col. 35).

Goldberg does not clearly show a false clause.

Chan teaches the Hpcode-Plus instructions between the CEXP and the matching

CSEP Hpcode-Plus instructions represent the true clause of the conditional evaluation.

The Hpcode-Plus instruction between the CSEP and the matching CEND Hpcoe-Plus

instructions represent the false clause of the conditional evaluation. Both the true

clause and the false clause must either result in zero or one item being pushing onto the

expression stack, (col. 19, lines 11-35). Therefore, it would have been obvious to one

of ordinary skill in the art at the time the invention was made to modify Goldberg by

including the Hpcode-Plus instructions between the CEXP and the matching CSEP

Hpcode-Plus instructions represent the true clause of the conditional evaluation. The

Hpcode-Plus instruction between the CSEP and the matching CEND Hpcoe-Plus

instructions represent the false clause of the conditional evaluation. Both the true

clause and the false clause must either result in zero or one item being pushing onto the

expression stack, as taught by Chan, so the users can retrieve useful and desirable

result information.

Goldberg further disclose executing the modified query with the false clause, (col.

2, lines 36-col. 3, lines 35, and col. 3, lines 46-col. 4, lines 6); and retrieving metadata

from the result set obtained by executing the modify query, (col. 3, lines 46-col. 4, lines

6).

As to claims 2, 13, and 24, Goldberg further discloses the query comprises a

select statement, (col. 2, lines 36-45).

As to claims 3, 14, and 25, Goldberg further discloses the select statement is not

a select into statement, (col. 2, lines 36-45).

As to claim 6, 17, and 28, Goldberg further discloses generating a list of modified

queries, wherein each modified query has one or more selected clauses replaced with a

false clause, (col. 2, lines 36-col. 3, lines 55); and executing each modified query until

one executes successfully, (col. 10, lines 31-38).

As to claim 7, 18, and 29, Goldberg further discloses wherein a query executes successfully if it executes without an exception, (col. 10, lines 31-38).

As to claim 8, 19, and 30, Goldberg further discloses wherein the metadata comprises column type data for the result set, (col. 3, lines 46-col. 4, lines 6).

As to claims 9, 20, and 31, Goldberg further discloses generating a sqlj iterator with parameters having the java types, (col. 7, lines 40-49).

As to claim 10, 21, and 31, Goldberg further discloses generating a sqlj iterator with parameters having the java types, (col. 7, lines 40-49).

As to claim 11, 22, and 33, Goldberg further discloses determining whether the query requires a sqlj iterator, (col. 11, lines 50-55).

With respect to claims 12 and 23, the subject matter of claims 12 and 28 are rejected in the analyzed above in claim 1; therefore, claim 12 and 28 are also rejected for the same reasons as given in claim 1.

5.   Claims 4-5, 15-16, and 26-27 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Goldberg et al. (US 6430556B1) in view of Colby et al. (US

6199063B1).

As to claims 4, 15, and 26, Goldberg does not clearly show the selected clauses

comprise where clause where clause.

Colby teaches the query in the precomputed view can be classified into several

clauses: "select", "from", "where", and "group by", (col. 8, lines 8-51). Therefore, it

would been obvious to one of ordinary skill in the art at the time the invention was made

to modify Goldberg by including the query in the precomputed view can be classified

into several clauses: "select", "from", "where", and "group by", as taught by Colby, so

that the system provides for quickly and efficiently deriving and answer to a relational

database query using materialized views where the materialized view definition may or

may not exactly match the query.

As to claims 5, 16, and 27, Goldberg does not clearly show the selected clauses

comprise group by e clause.

Colby teaches the query in the precomputed view can be classified into several

clauses: "select", "from", "where", and "group by", (col. 8, lines 8-51). Therefore, it

would been obvious to one of ordinary skill in the art at the time the invention was made

to modify Goldberg by including the query in the precomputed view can be classified

into several clauses: "select", "from", "where", and "group by", as taught by Colby, so

that the system provides for quickly and efficiently deriving and answer to a relational

database query using materialized views where the materialized view definition may or may not exactly match the query.

Conclusion

6.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Filepp et al. (US 6275852B1) shows interactive computer network and method of operation.

Martizen et al. (US 5870719) shows platform-independent, usage-independent, and access independent distributed quote configuration system.

Lautzenheiser et al. (US 6125359) shows method and apparatus for identifying the coverage of a test sequence in a rules-base expert system.

Contact Information

7.   **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

8.   **Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam V Nguyen whose telephone number is (703) 305-3735. The examiner can normally be reached on 7:30AM-5: 00PM.**
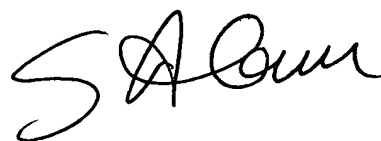
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Yen Vu can be reached on (703) 305-4393. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for formal communications and (703) 746-7240 for informal communications.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, Virginia 22202. Fourth Floor (Receptionist).

9.   Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

TV:tv

08/08/02

SHAHID AL ALAM
PATENT EXAMINER